~~J. FEY~~
~~C. RICE~~

RCRA VIOLATION ASSESSMENT

~~G. HOFER~~
J. FEY
~~FILE~~
Paul W.
File

C W Rice, ES
Name & Title of Evaluator
9/26/83

Jorgensen Steel Co.
8531 E. Marginal Wy S.
Seattle, WA. 98108
Establishment Name and Address

WAD 000602813
Facility ID Number

J Mike J. Brown / EPA
Julie Sellick / WDOE
Inspector/Lead Agency

4/12/83
Date of Inspection

5
Status (See other side)

G
Facility Type

	ACTION ~~TAKEN~~ Rec
X	~~No Action Indicated~~ Track - state Action
	Letter of Warning
	Referral For Admin. Civil Penalty
	Referral For Criminal Action
	Refer to State
	HWDMS DATA CODING
X	Initial 9/19/83 jwf
	After Compliance Review

Comments: NOV attached — 60 days

K061 storage > 90 days = "1"
Inadequate plans = "3"

9/26/83
Concur — Date

Do Not Concur — Date

0 = IN COMPLIANCE
1 = NON-COMPLIANCE, CLASS 1 (ENVIRONMENTAL IMPACT)
2 = NON-COMPLIANCE, CLASS 2 (STATUTORY)
3 = NON-COMPLIANCE, CLASS 3 (ADMINISTRATIVE)
4 = NON-COMPLIANCE, CLASSES 1 AND 2
5 = NON-COMPLIANCE, CLASSES 1 AND 3
6 = NON-COMPLIANCE, CLASSES 2 AND 3
7 = NON-COMPLIANCE, CLASSES 1, 2, AND 3
8 = ENTRY INACTIVE, RETAINED FOR REFERENCE
9 = NON-COMPLIANCE (STATE USE ONLY)

JOHN SPELLMAN
Governor

DONALD W. MOOS
Director

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
4350-150th Ave. N.E. • Redmond, Washington 98052 • (206) 885-1900

September 7, 1983

Mr. John Lavillette, Plant Industrial Engineer
Jorgensen Steel Company
8531 E. Marginal Way South
Seattle, Washington 98108

RCRA/Dangerous Waste (WAC 173-303)
Inspection at the Jorgensen Steel Co.
Facility (WAD000602813) in Seattle,
Washington, on April 12, 1983

Dear Mr. Lavillette:

Thank you for your time and cooperation during my inspection of the Jorgensen Steel Co. facility in Seattle on April 12, 1983. I have enclosed a copy of the report that I filed regarding that inspection. Please read the report carefully and implement procedures to bring the facility into compliance with Washington State's Dangerous Waste Regulations (WAC 173-303).

You informed me during the inspection that the Jorgensen Steel Co. does not agree that the emission-control baghouse dust qualifies as K061 because this facility is not involved with the "primary" production of steel. Therefore, the dust was not designated or managed as dangerous waste until February 1983, after EP toxicity data had been compiled (see Page 1-3 of the attached inspection report). EP toxicity tests should have been conducted, however, on representative samples of the baghouse dust in a more timely manner, certainly before March of 1982. The assumption should not have been made that the dust did not qualify as EP toxic waste without EP toxicity data as supporting evidence. Future assumptions regarding the designation of wastes at your facility should be discussed with this office.

All subsequent shipments of baghouse dust must be considered and handled as dangerous waste unless an appropriate sampling and analytical program is conducted to prove that each shipment does not qualify as dangerous waste. Such a program must be designed to: 1) collect representative samples of each batch of dust, and 2) analyze those samples according to WAC 173-303-110 for proper designation as dangerous or non-dangerous waste.

Coded as NOV
Date Due = 60 days (F/U Insp.)
9/19/83 jwf

Jorgensen Steel Company may also formally petition this department (according to WAC 173-303-910) for an exemption of the dust as dangerous waste. Waste generated during a petitioning process, however, must be assumed to be dangerous unless proved otherwise (by testing as described above), and as such, must be managed in compliance with WAC 173-303.

Since none of the baghouse dust had been shipped from this facility as dangerous waste prior to my inspection, I was not able to review your compliance with the generator manifest requirements under WAC 173-303-180 and -210. Please send me copies of all of the dangerous waste manifests used at the facility to date for my review.

I will plan to reinspect your facility within 60 days of the date of this letter. At that time I will expect to:

1) Inspect all containers of dangerous waste for proper labeling and dating requirements (under WAC 173-303-200) including the presence and maintenance of a container inspection log (see page II-1 of the attached report),

2) Review your familiarity with the Generator Reporting Procedures (under WAC 173-303-145 and -220),

3) Review the following plans and programs (see page II-3, II-4, II-5 of the attached inspection report).

    a) Presence and implementation of a Preparedness and Prevention Plan and Program (under WAC 173-303-200 and -340),

    b) Presence and adequacy of a written Contingency Plan including designation of an Emergency Coordinator (WAC 173-303-200 and 173-303-350 and -360),

    c) Presence and adequacy of a written Personnel Training Plan (WAC 173-303-200 and -330),

    d) Presence and implementation of a Personnel Training Program for dangerous waste (WAC 173-303-200 and -330).

If you have any questions regarding the requirements outlined above or the pending reinspection of your facility, please do not hesitate to contact me. Again, thank you for your time and cooperation in this matter.

Sincerely,

Julie Sellick

Julie Sellick
Hazardous Waste Inspector
Environmental Quality

JS:hew

Enclosure

cc: Tom Cook, WDOE Headquarters
George Hofer, EPA Region X
Vallana Piccolo, METRO

RCRA/WAC 173-303 DANGEROUS WASTE

COMPLIANCE CHECKLIST/QUESTIONNAIRE

Industry name and address:

Tacoma Steel

8531 E. Marginal Way South

Seattle, Washington

Date: April 12, 1983

EPA/State Identification Number:

WAD000602813

County: King Zip: 98108 Telephone: (206) 762-1100

Physical Location of Facility (if different than above):

Facility Contact(s) Present During Inspection		
Name	Title	Phone No.
John Laillette	Plant Industrial Engineer	762-1100
T. Allen Moren	Manager Purchases	762-1100
Edmund Wood	Attorney	625-0714

Inspected by:

Julie Sellick (WDOE), Michael Brown (EPA) 885-1900, 442-2852

(Printed) (Phone Number)

I. Notification, Part A and Core Information

1. Notification filed: Yes Date:
2. Part A application filed: No Date:
3. Classified as:

Generator	✓	Disposal facility	
Transporter		Transfer facility	
Treatment facility		Recycler	
Storage facility		Other	

Comments:

4. Have any changes in Notification or Part A been filed? No Date(s): _____

5. Does facility generate a solid waste(s) or receive a solid waste as defined by WAC 173-303-040? Generates

6. Is this waste(s) designated under WAC 173-303, and not RCRA? No, under both

7. Under what section, in WAC 173-303, are waste(s) designated?

a.	Discarded Chemical Products (081)	
b.	Dangerous Waste Sources (082)	✓ *
c.	Dangerous Waste Mixtures (084)	
d.	Toxic Dangerous Wastes (101)	
e.	Persistent Dangerous Wastes (102)	
f.	Carcinogenic Dangerous Wastes (103)	
g.	Dangerous Waste Characteristics (090)	
	(1) Ignitability	
	(2) Corrosivity	
	(3) Reactivity	
	(4) EP Toxicity	✓ (D008) (D007)

Remarks: * This facility utilizes scrap metal only in their steel production; they do not utilize any ore in their production processes. As such, there is some question whether K061 applies to this facility's wastes.

8. Dangerous Wastes listed on Part A application, or for generators, dangerous wastes generated.

	D.W. No.	Amount	Waste Description	Disposal Method
a.	K061	'81: 366 tons	Emission control dust	'81: transported by Bayside
b.		'82: 282 tons	from the primary	Disposal to Midway landfill.
c.		'83: ~3-4 tons per month	production of steel in	'82: transported by Bayside
d.			electric furnaces (see	Disposal to Sunset Demolition
e.			"Remarks" under No. 7	(13501 Empire Way South,
f.			above)	Seattle) -- until February '83
g.				'83: will be transported by Liquid Waste Disposal to Arlington, Oregon (CSSI).

9. Have these wastes been analyzed for determination of degree of hazard? Yes

If so, by whom? Residual Management Technology in Madison, Wisconsin

10. Has facility petitioned, through RCRA 260.22 or WAC 173-303-910(3), to remove designation from a waste? No

If yes, explain:

11. This facility: ☐ Complies ☐ Does not comply with Interim Status Standards. DNA, Generator only.

Comments: No. 8: Jorgensen Steel adopted the position (prior to March 1982) that the baghouse dust did not qualify as K061 (see # 7 on page I-2) and that the dust would not fail the EP Toxicity Test. However, they collected samples of the dust 13 times (beginning in March 1982) and had them analyzed for heavy metal content according to the EP Toxicity Test (see No. 9 above). Three of these samples (more than one sample was collected during each of the 13 sampling events) exceeded the EP Toxicity standards for lead and/or hexavalent chromium. Based on these results, they have decided (since February 1983) to handle the baghouse dust as hazardous waste. They have obtained permission from Chem-Security Systems, Inc. (CSSI) for disposal of the dust at the CSSI facility in Arlington, Oregon.

Signature of Inspector: Julie Sellick Aug 31, 1983

II. Standards Applicable to GENERATORS of Dangerous Waste – RCRA 262/WAC 173-303-170 to 230

	Yes	No
1. Does generator transport its own waste?		✓
a. Is waste ever given to "outside" contractor?	✓	

EPA/State I.D. No: WAD041333576 | WAD980836050

(Contractor(s)) Name and address:

Bayside Waste Hauling & Transfer Inc.
7201 W. Marginal Way SW
Seattle, WA 98106

Liquid Waste Disposal
7155 W. Marginal Way SW
Seattle, WA
98106

Note: (If facility transports own waste, look at standards applicable to transporters, section III)

2. Is generator following RCRA/WAC 173-303 manifest system?	See "Comments" on page II-5	
a. Is signature of, and date of acceptance by transporter obtained prior to transport?		
b. Does generator retain one copy of manifest in accordance with WAC 173-303-180(3), Manifest Procedures?		
c. Are manifests (signed by the generator, transporter, and designated disposal facility) kept for a minimum of three years (WAC 173-303-210(1))?		
3. Does generator operate a specific area for container handling or storage?	✓	

If yes, describe: An open (uncovered and unbermed) paved area next to the baghouse dust collection unit.

a. Does generator comply with the requirements set forth in WAC 173-303-200 governing on-site waste accumulation:		
(1) Labeling and marking		✓
(2) Dating		✓
(3) Inspections (must be done weekly for containers) WAC 173-303-630(8)?		✓

		Yes	No
b.	Are incompatible wastes or other materials segregated?	✓	
4.	Is entity familiar with Generator Reporting Procedures, (WAC 173-303-220)?		✓
a.	Annual Reports (WAC 173-303-220(1))		✓
b.	Exception Reports (WAC 173-303-220(2))		✓
c.	Spills and Discharges into the Environment (WAC 173-303-145)		✓
5.	Is generator aware of and complying with regulations concerning the preparation of Dangerous Waste for transport?		
a.	Packaging: 49 CFR 173, 178, 179, and with requirements of UTC and WSP	✓	
b.	Labeling: 49 CFR 172	✓	
c.	Marking: 49 CFR 172	✓	
d.	Placarding: 49 CFR 172 Subpart F	✓	

NOTE: Containers with $\leq$ 110 gallons of Dangerous Waste must be marked with the following or essentially equivalent, words and information, displayed in accordance with 49 CFR 172.304:

DANGEROUS WASTE - State and Federal Law prohibits improper disposal. If found, contact the nearest police or public safety authority, and the Washington State Department of Ecology or the U.S. Environmental Protection Agency.

Generator's Name and Address

_____

_____

Manifest Document No. _____

Comments: _____

_____

_____

	Yes	No
6. Are any wastes generated at this facility being transported or stored prior to being recycled, reclaimed, or recovered (WAC 173-303-120)?		✓
a. If yes, what are they? _____		
b. Do they exhibit any of the Dangerous Waste characteristics?	✓	
Note: If not, they are regulated.		
7. Does generator store dangerous waste over 90 days for either transport, treatment or disposal?		✓
If yes, what are they? _____		
(if yes, go to IV, Standards for TSD Facilities)		
8. Does generator follow the operating procedures for containers as outlined in WAC 173-303-160, containers?	DNA	
i.e. Triple rinsing, resulting in less than 1% volume or 1 inch product remaining.		
9. Preparedness and Prevention (WAC 173-303-200(6)).		
a. Is an emergency communication system readily available in areas where wastes are stored or handled (WAC 173-303-340)?		✓
b. Are portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment readily available (WAC 173-303-340(1)(c))?		✓
c. Have arrangements been made with local police, fire departments, and emergency response teams to familiarize them with the facility layout and the properties of the dangerous wastes handled (WAC 173-303-340(4))?		✓

Comments: _____

	Yes	No

10. Contingency Plan and Emergency Coordinator (WAC 173-303-200(6)).

a. Does the facility have a Contingency Plan which is designed to minimize the consequences of any unplanned release of Dangerous Waste (WAC 173-303-350)? ____ ✓

b. Does the facility have an Emergency Coordinator, and if so, their name _____

c. Is this Emergency Coordinator, or his designee, familiar with the requirements stated in WAC 173-303-360, Emergencies? ____ ✓

d. Does contingency plan contain a list of all emergency equipment, its location(s), and a brief outline of its capabilities (WAC 173-303-350(3)(e))? ____ ✓

If not, explain: _____

_____

11. Personnel Training (RCRA 262.34(a)(5))

a. Does facility have a training program that instructs facility personnel in such a way that ensures compliance with RCRA and WAC 173-303? ____ ✓

(1) Do facility personnel participate in an annual review of the training provided in the training program? ____ ✓

(2) Does the program include training in the following areas, where applicable?

(a) Procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. ____ ✓

(b) Key parameters for automatic waste feed cut-off systems. ____ ✓

(c) Communications or alarm systems. ____ ✓

(d) Response to fire or explosions. ____ ✓

(e) Response to ground water contamination. ____ ✓

(f) Shut down of operations. ____ ✓

	Yes	No
b. Does facility have a written training plan which includes the following documents and records:		
(1) For each position related to dangerous waste management; the job title, job description (including qualifications), and the name of the employee.		✓
(2) A written description of the type and amount of both introductory and continuing training for that position.		✓
(3) Records documenting that facility personnel have received and completed the training required by WAC 173-303-330.		✓

Comments: No. 2: None of the baghouse dust had ever been transported from this facility as hazardous waste by this inspection date.

No. 3a: The large wooden crates did not bear appropriate hazardous waste labels during this inspection. No written inspection log is kept to document weekly inspections and maintenance of the crates filled with baghouse dust.

No. 4: Mr. Laviolette was not familiar with the Generator Reporting Procedures at the time of this inspection. I explained these requirements and procedure to him during the inspection.

No. 5: Mr. Laviolette had familiarized himself with these requirements in preparation for the upcoming shipment of the dust as hazardous waste.

No. 9, 10 & 11: Mr. Laviolette was not aware of the requirements for generators referenced under WAC 173-303-200 (6). I explained these requirements to him and informed him that I would conduct a follow-up inspection to assess compliance with these requirements.

Torgerson Steel bought this facility from Isaacson Steel in 1985, and installed the baghouse system in December of 1978.

They have not stored the baghouse dust for longer than 90 days and do not intend to do so in the future. They load the dust into large wooden crates and store them (temporarily) on a paved area next to the baghouse. They have been pelletizing the dust for the last three weeks which has reduced the dust problem in their work yard.

The slag and mill scale generated by their production processes contains mostly iron oxide and carbon, and is utilized for road fill material, etc.

ROUTING SLIP

S.F. 80

3

TO

George Hofer, U.S. EPA

ADDRESS

1200 - 6th Ave.
Seattle, WA 98101

MAIL STOP

FROM

Julie Sellick

PHONE NO.	DATE	MAIL STOP
885-1900	9/8/83	

	FOR ACTION	X	FOR YOUR INFORMATION
	FOR APPROVAL		PER OUR CONVERSATION
	FOR SIGNATURE		READ & ROUTE TO FILES
X	PER YOUR REQUEST		FOR YOUR COMMENTS
	READ AND RETURN		OTHER